Mitchell R. Feigenbaum

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**WORK EXPERIENCE**

**Information Technology Intern June 2025 – July 2025**

*Capgemini* Richmond, VA

* Contributed to the development and research of an internal AI solution for a Fortune 200 company*.*
* Discovered and patched a critical XSS (Cross Site Scripting) vulnerability in the user prompt of an internal chat app.
* Developed features using ReactJS, Python Flask, Azure Cloud, Azure Document Intellligence, and SQL.
* Delivered the following features to the AI solution:
  + Improved copy-paste functionality by adding rich/plain text options.
  + Fixes and code patches for three CVE (Common Vulnerabilities and Exposures) detected in an external code audit.
  + Improved back-end logging of user events such as button presses and settings changes.
  + Added the ability to upload PNG and JPG files and process them with Azure Document Intelligence.
* Collaborated with six senior developers in an Agile team, participating in daily Scrum meetings.

**Head of Information Technology Department November 2024 – Present**

*Daughter of the Stars Theater and Cultural Center* Stanley, VA

* Designed and implemented a computer networking infrastructure using Syncthing with built in security and data integrity.
* Increased security and improved operational efficiency by transitioning company computers to Linux.
* Implemented a 3-2-1 backup strategy with disk encryption for data loss prevention and increased data security.
* Categorized products within the Wix point of sale system resulting in improved sales efficiency and inventory management.

**Robot Fleet Attendant November 2024 – June 2025**

*Starship Technologies* Harrisonburg, VA

* Worked with artificial intelligence and computer vision systems.
* Responsible for supervising and maintaining autonomous robots operating at James Madison University.
* Assisted in the logistics, planning, and organization of on-time efficient food delivery service.

**Sales Associate August 2022 – August 2023**

*Boy Scouts of America* Springfield, VA

* Used intimate knowledge of the scouting program and camping to sell, market, and present products.
* Recognized as a consistent nationwide top seller in terms of revenue earned per month.

**LEADERSHIP EXPERIENCE**

**Eagle Scout March 2016 – June 2022**

*Troop 1346* Burke, VA

* Led an Eagle Project which entailed managing over 30 volunteers refurbishing a school concession stand.
* Worked over 200 hours of community service in conservation and community outreach.

**PROJECTS**

**Enron Data Processing April 2025 – May 2025**

*A collection of AWK scripts for parsing the Enron email corpus (1.3 GB of unstructured text).* [github.com/mrf-dot/enron](https://github.com/mrf-dot/enron)

* Harnesses the power of regex and associative arrays in AWK to efficiently process over 600,000 emails.
* Parses and cleans raw email data to perform statistical analysis such as the most frequently used words and area codes.

**YT March 2022 – December 2023**

*YouTube command line interface made in PowerShell* [github.com/mrf-dot/yt](https://github.com/mrf-dot/yt)

* PowerShell script that allows a user to watch and download YouTube videos over the command line.
* Features include playing a video from cache, downloading a video or audio file, and downloading playlists.

**Blackjack September 2023 – April 2024**

*Multi-call card/blackjack program written in C* [github.com/mrf-dot/blackjack](https://github.com/mrf-dot/blackjack)

* Command line program that performs various functions on a virtual deck such as picking a random card and shuffling.
* The program uses its own randomness library based on the Xorshift algorithm that is linked at compile time.

**EDUCATION**

**Bachelor of Science in Computer Science Expected May 2026**

*James Madison University*Harrisonburg, VA

* **Relevant Coursework:** Database Administration, CPU Architecture, Data Structures & Algorithms, Software Development
* **Organizations:** Unix User Group (Secretary, Treasurer, and Executive Board Member)

**SKILLS**

**Technical Skills:** Python, Java, C, ReactJS, PowerShell, BASH, AWK, LaTeX, Git, Flask, SQL

**Systems & Administration:** Networking, Microsoft Windows, Linux, macOS, Active Directory, VPN

**Productivity & Collaboration:** Microsoft Office, Excel, Google Workspace, Agile, Scrum, Sales, Retail, Leadership